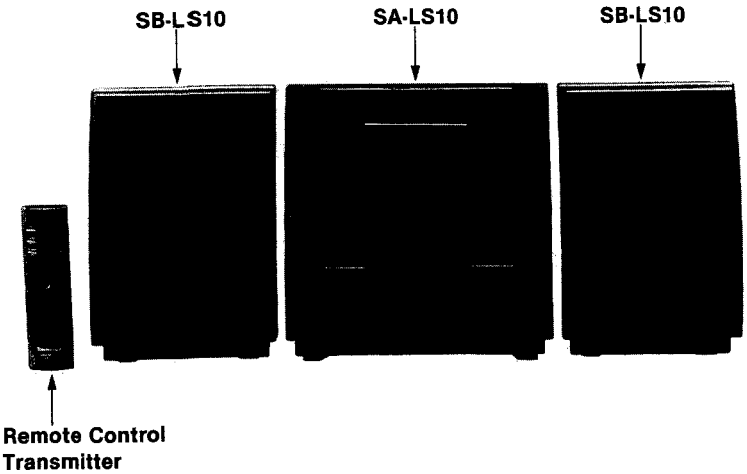
ORDER NO. AD9409248C2

Service Manual

3-Way Speaker System

Speaker System

SB-LS10



Colour

(K) ... Black Type

Area

Suffix for Model No.	Area	Colour
(E)	Europe.	(K)

System: SC-LS10

System	Cassette CD receiver	Speakers
SC-LS10	SA-LS10	SB-LS10

Because of unique interconnecting cables, when a component requires service, send or bring in the entire system.

SPECIFICATIONS

Type	3 way speaker system
Speaker(s)	
Woofer	16 cm active air coupling woofer (16 cm passive radiator / 12 cm cone type driver unit)
Main unit	6.5 cm cone type
Tweeter	Dome type
Impedance	4Ω
Input power	60 W (music)/30 W (DIN)
Output sound pressure	79 db/W (1.0 m)
Cross over frequency	250 Hz, 5 kHz
Frequency range	38 Hz–30 kHz (–16 dB)

General

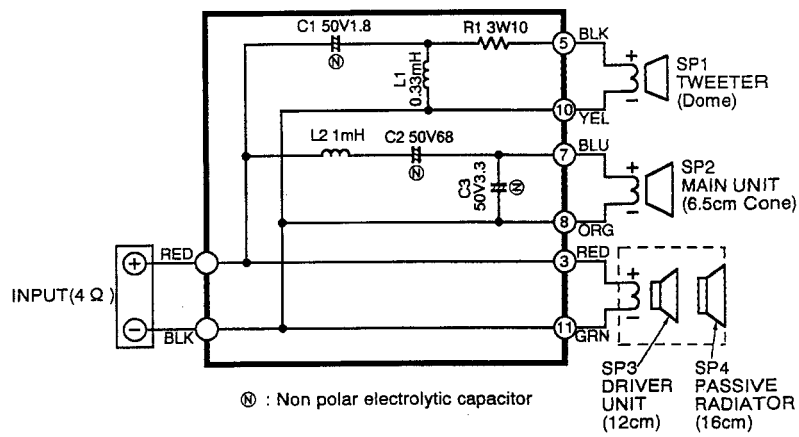
Dimensions (W × H × D)	200 × 314 × 170 mm
Weight	3.2 kg

Notes:

1. Specifications are subject to change without notice.
2. Weight and dimensions are approximate.

SCHEMATIC DIAGRAM

(This schematic diagram may be modified at any time with the development of new technology.)



NOTES:

Refer to the service manual for Model No. SA-LS10 (Order No. AD9409247C2) for information on "CONNECTIONS".

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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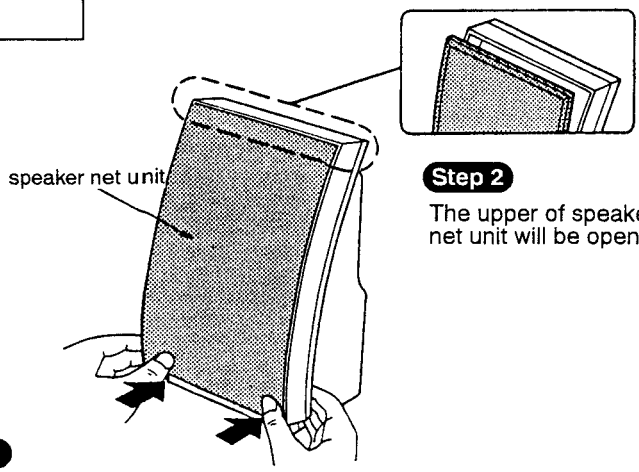
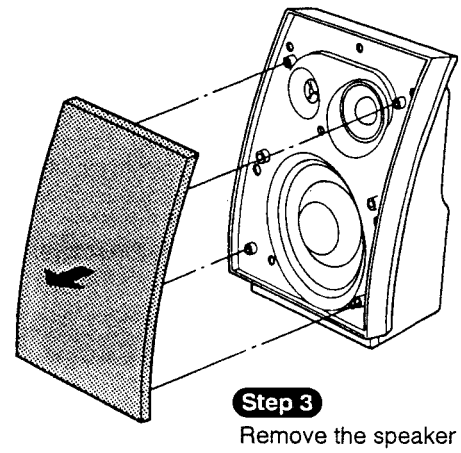
■ DISASSEMBLY INSTRUCTIONS

Ref.No. 1	Replacement for the speaker net unit
Procedure 1	



Step 1
Hold the bottom of speaker net unit.

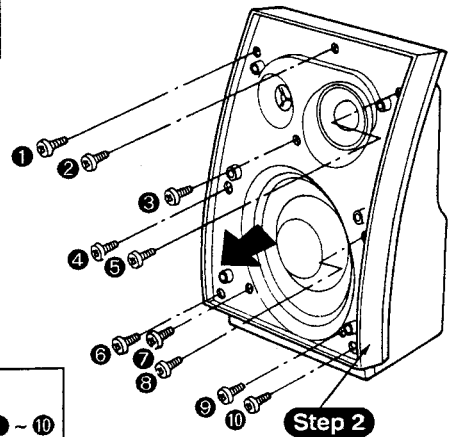
Step 2
The upper of speaker net unit will be opened.



Step 3
Remove the speaker net unit.

Ref.No. 2	Replacement for the front panel ass'y
Procedure 1→2	

Step 1
Remove the 10 screws.



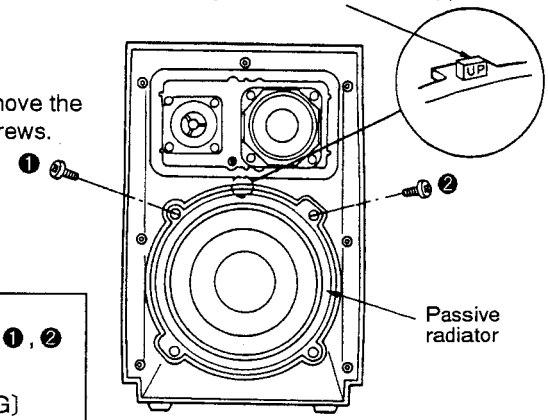
Step 2
Remove the front panel ass'y.

❶~❿
〔XTB4+14GFZ〕

Ref.No. 3	Replacement for the passive radiator
Procedure 1→2→3	

※When mounting the passive radiator, place the passive radiator so that the marking "UP" is located on upper side.

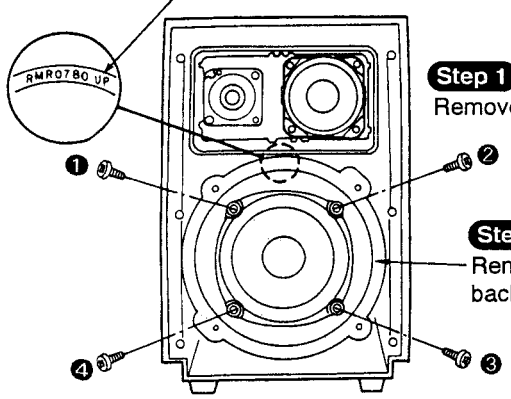
•Remove the 2 screws.



❶, ❷
〔XTB4+10G〕

Ref.No. 4	Replacement for the speaker(woofer)
Procedure 1→2→3→4	

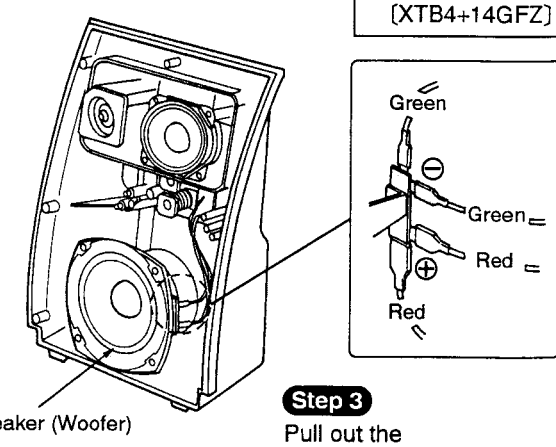
※When mounting the back cavity, place the back cavity so that the making "UP" is located on upper side.



Step 1
Remove the 4 screws.

Step 2
Remove the back cavity.

❶~❹
〔XTB4+14GFZ〕



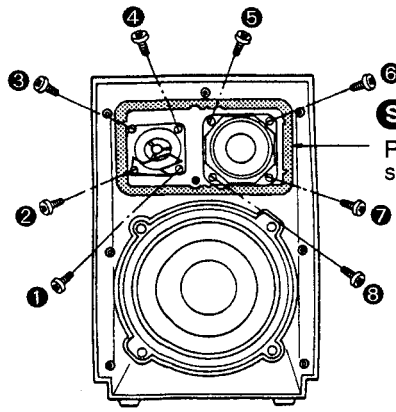
Step 3
Pull out the 4 speaker terminals.

Ref.No. 5	Replacement for the speakers (main unit and tweeter)
Procedure 1→2→5	

● Notice of installing the speakers
Be sure the shut packing is firmly seated.
Use care to prevent leak the air in the unit.

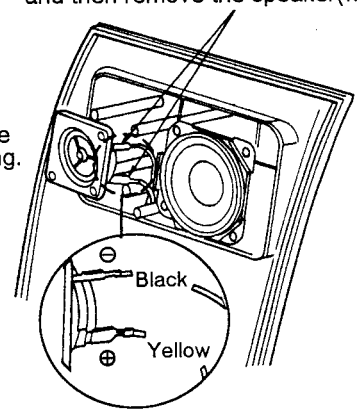
❶~❽
[XTB4+10G]

Step 1 Remove the 8 screws.

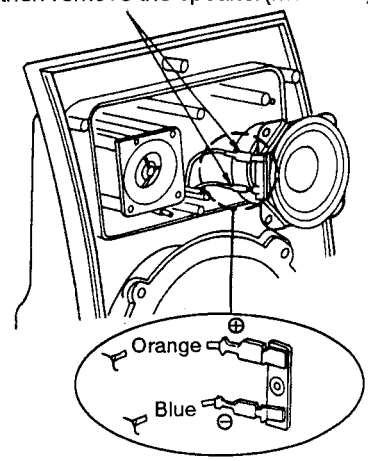


Step 2 Remove the shut packing.

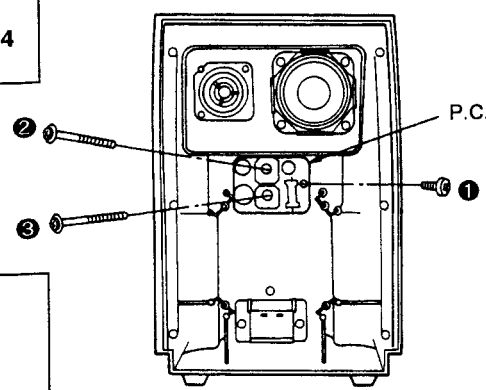
Step 3 Pull out the 2 speaker terminals, and then remove the speaker(woofer).



Step 4 Pull out the 2 speaker terminals, and then remove the speaker(main unit).



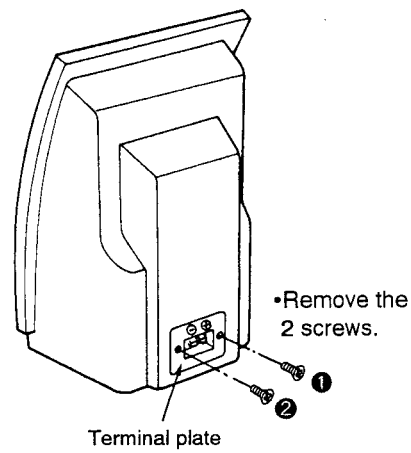
Ref.No. 6	Replacement for the P.C.B.
Procedure 1→2→3→4→6	



❶
[XTB3+8J]

❷,❸
[XTW3+45P]

Ref.No. 7	Replacement of the terminal plate
Procedure 1→2→3→4→7	



❶,❷
[XTS3+10JFZ]

■ REPLACEMENT PARTS LIST

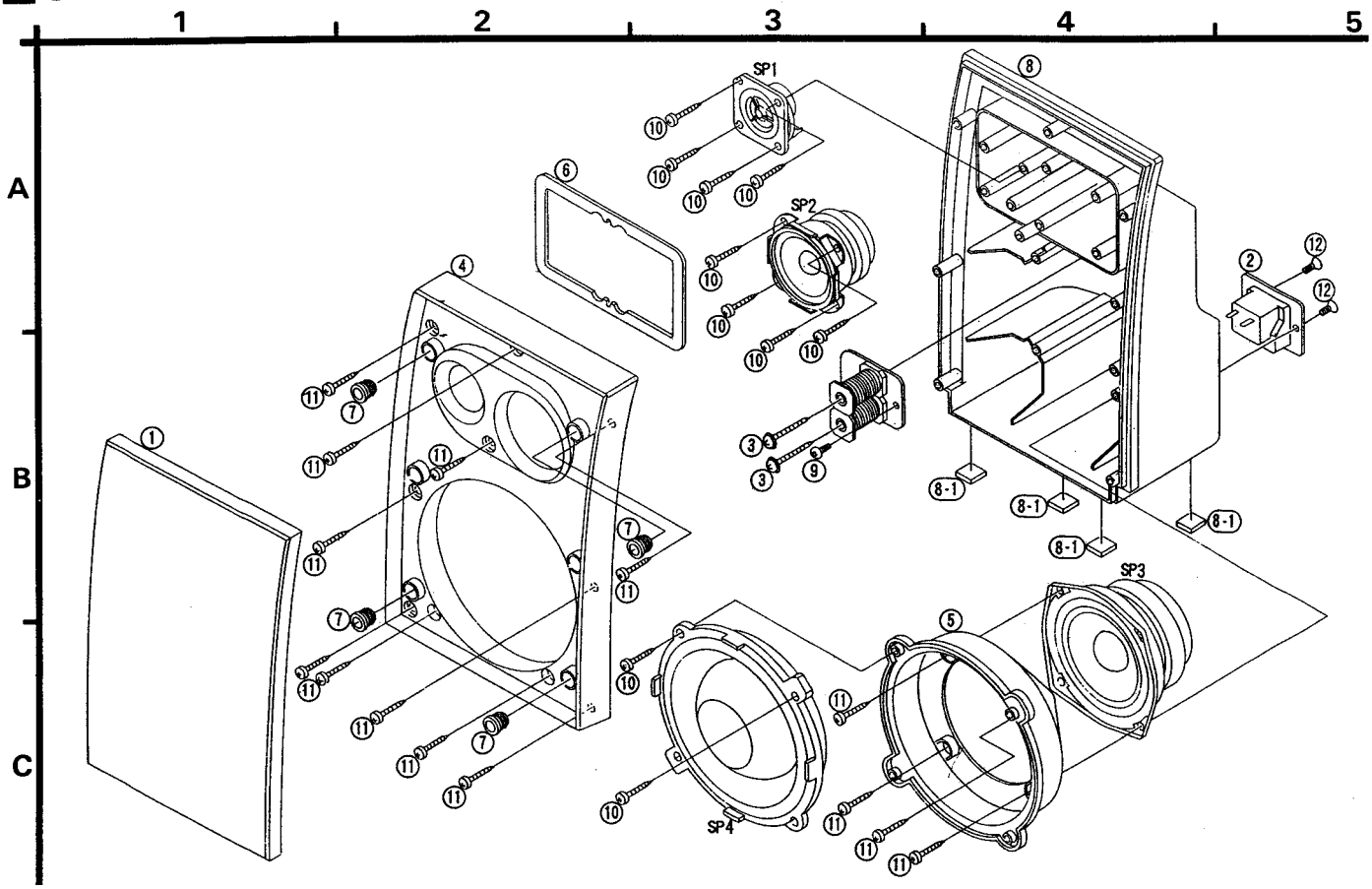
Notes : * Capacity values are in microfarads (uF) unless specified otherwise, P=Pico-farads (pF) F=Farads (F)
* Resistance values are in ohms, unless specified otherwise, 1K=1,000 (OHM), 1M=1,000k (OHM)

Ref. No.	Part No.	Part Name & Description	Remarks
		SPEAKERS	
SP1	EAS13KH21A	TWEETER:DOME TYPE	
SP2	EAS65P110A	MAIN UNIT:8cm CONE TYPE	
SP3	EAS12PL333A6	DRIVER UNIT:12cm CONE TYPE	
SP4	EAS16PY492D	PASSIVE RADIATOR:16cm	
		COIL	
L1	RLCV331J1-E	COIL	
L2	RLCV102J1-E	COIL	
		RESISTORS	
R1	ERG3SJ100P	M. RESISTOR 3W 10Ω	
		CAPACITORS	
C1	ECA50YT1R8KE	E. CAPACITOR 50V 1.8uF	
C2	ECA50YT68KE	E. CAPACITOR 50V 68uF	
C3	ECA50YT3R3KE	E. CAPACITOR 50V 3.3uF	

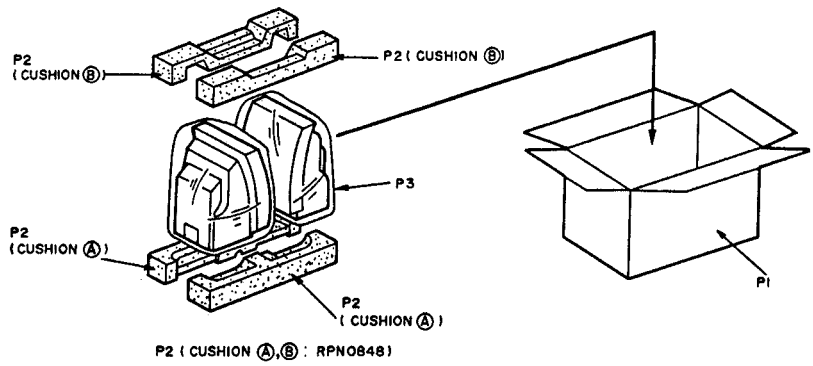
Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET AND CHASSIS	
1	RYB0081A	SPEAKER NET UNIT	
2	RJH5211	TERMINAL PLATE	
3	XTW3+45P	SCREW	
4	RFKGBLS10-K	FRONT PANEL ASS'Y	
5	RMR0780-K	BACK CAVITY	
6	RMQ0458	SHUT PACKING	
7	RMG0286-K	RUBBER	
8	RFKKBLS10E-K	REAR CABINET ASS'Y	

Ref. No.	Part No.	Part Name & Description	Remarks
8-1	RKA0061A-K1	FOOT	
9	XTB3+8J	SCREW	
10	XTB4+10G	SCREW	
11	XTB4+14GFZ	SCREW	
12	XTS3+10JFZ	SCREW	
		PACKING MATERIAL	
P1	RPG2290	PACKING CASE	
P2	RPN0848	CUSHION	
P3	RPH0136	PROTECTION SHEET	

■ CABINET PARTS LOCATION



■ PACKAGING



P2 (CUSHION Ⓐ,Ⓑ : RPN0848)

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